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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/732,755
	Filing Date	December 10, 2003
	First Named Inventor	Hong, Bor Shyue
	Art Unit	NYA
	Examiner Name	NYA
Total Number of Pages in This Submission	Attorney Docket Number	2558 US

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
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<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	Form PTO-1449 (5 pages)
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	References (43)
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	Return Card
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	<input type="text"/> Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Gregg C. Brown, Registration No. 30,613
Signature	
Date	March 10, 2004

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	Deborah Weinschenk		
Signature		Date	March 10, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARKS OFFICE

In re Application of: Hong, et al.

Serial No: 10/732,755

Confirmation No.: NYA

Filing Date: December 10, 2003

Examiner: NYA

Group Art Unit: NYA

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as "Express Mail" Mailing Label No. EV 225 496 665 US addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date:

Date: March 10, 2004

Name: Deborah A. Weinschenk

Signature: Deborah A. Weinschenk

For: CONTACT LENS CARE COMPOSITION CONTAINING CHITOSAN DERIVATIVES

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §1.56 AND §1.97 (b)(1)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §1.56, Applicants direct the attention of the Examiner to the sixty-three (63) reference(s) listed on the attached Form PTO-1449.

Because the PTO has waived the requirement under 37 CFR 1.98(a)(2) to submit copies of each cited U.S. patent and patent application publication in all U.S. national patent applications filed after June 30, 2003, copies of those documents are not being provided with this Information Disclosure Statement. Copies of the foreign patent documents and non-patent literature listed on the attached Form PTO-1449 are enclosed.

Applicants respectfully request that the listed references be considered during prosecution of this application, and that the references appear among the References Cited on any patent issuing herefrom.

Respectfully submitted,
ALCON RESEARCH, LTD.

Date 3/10/04

By Gregg C. Brown
Gregg C. Brown
Registration No. 30,613

Address for Correspondence:
Gregg C. Brown
R&D Counsel, Mail Code Q-148
Alcon Research, Ltd.
6201 South Freeway
Fort Worth, Texas 76134-2099
Phone: (817) 551-8663

Attorney Docket No.: 2558 US

FORM PTO-1449 U.S. DEPT. OF COMMERCE Patent & Trademark Office		ATTY. DOCKET NO. <div style="text-align: center; font-weight: bold;">2558 US</div>		SERIAL NO. <div style="text-align: center; font-weight: bold;">10/732,755</div>		
LIST OF DOCUMENTS CITED BY APPLICANT <div style="border: 1px solid black; border-radius: 50%; padding: 10px; width: 150px; float: left; margin-right: 10px;"> O I P E J MAR 10 2004 PATENT & TRADEMARK OFFICE </div> (Use several sheets if necessary)		APPLICANT <div style="text-align: center; font-weight: bold;">Hong, et al.</div>				
FILING DATE <div style="text-align: center; font-weight: bold;">December 10, 2003</div>		GROUP <div style="text-align: center; font-weight: bold;">NYA</div>				

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA1	4,701,444	10/20/87	Segal, et al.			
	AB1	4,826,826	5/2/89	Conti			
	AC1	5,015,632	5/14/91	Nelson			
	AD1	5,057,542	10/15/91	Leuba, et al.			
	AE1	5,358,706	10/25/94	Marlin, et al.			
	AF1	5,370,744	12/6/94	Chowhan, et al.			
	AG1	5,407,919	4/18/95	Brode, et al.			
	AH1	5,422,116	6/6/95	Yen, et al.			
	AI1	5,597,811	1/28/97	Gruber			
	AJ1	5,621,088	4/15/97	Gruber			

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AK1	0 356 060	9/28/94	Europe				
	AL1	0 737 692	1/16/02	Europe				
	AM1	JP 63-193999		Japan				X
	AN1	JP 56-94322		Japan				X
	AO1	JP 59-106409		Japan				X

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)	
	AP1 Tokura, et al., "Studies on Chitin VIII. Some Properties of Water Soluble Chitin Derivatives", <u>Polymer Journal</u> , Vol. 15, No. 6, 1983, pages 485-489
	AQ1 "Nishimura, et al, "Bioactive Chitin Derivatives. Activation of Mouse-Peritoneal Macrophages by O-(Carboxymethyl) Chitins", <u>Carbohydrate Research</u> , Vol. 146, 1986, pages 251-258
	AR1 Hjerde, et al., "Chemical Composition of O-(Carboxymethyl)-Chibits in Relation to Lysozyme Degradation Rates", <u>Carbohydrate Polymers</u> , Vol. 34, 1997, pages 131-139
	AS1 Stokke, et al., "Sequence Specificities for Lysozyme Depolymerization of Partially N-acetylated Chitosans", <u>Can. J. Chem.</u> , Vol. 75, 1995, pages 1972-1981

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	AA2	5,645,827	7/8/97	Marlin, et al.				
	AB2	5,747,475	5/5/98	Nordquist, et al.				
	AC2	5,773,021	6/30/98	Gurtler, et al.				
	AD2	5,858,937	1/12/99	Richard, et al.				
	AE2	5,876,744	3/2/99	Valle, et al.				
	AF2	5,891,861	4/6/99	Platt				
	AG2	5,948,401	9/7/99	Donabedian, et al.				
	AH2	6,037,333	3/14/00	Panjwani				
	AI2	6,046,176	4/4/00	Segal, et al.				
	AJ2	2002/0177577	11/28/02	Hung, et al.				
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AK2	JP 63-9611		Japan				X
	AL2	JP 7-223966		Japan				X
	AM2	WO 94/13774	6/23/94	WIPO				
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AN2	Dung, et al., "Water Soluble Derivatives Obtained by Controlled Chemical Modifications of Chitosan", <u>Carbohydrate Polymers</u> , Vol. 24, 1994, pages 209-214						
	AO2	Nordtveit, et al., "Degradation of Fully Water-Soluble, Partially N-acetylated Chitosans with Lysozyme", <u>Carbohydrate Polymers</u> , Vol. 23, 1994, pages 253-260						
	AP2	Kristiansen, et al., "Competitive Binding of Highly de-N-acetylated Chitosans and N,N'-diacetylchitobiose to Lysozyme from Chicken Egg White Studies by ¹ H NMR Spectroscopy", <u>Carbohydrate Research</u> , Vol. 289, 1996, pages 143-150						
	AQ2	Hayashi, et al., "Muramidase Catalyzed Hydrolysis of Glycol Chitin", <u>Agr. Biol. Chem.</u> , Vol. 28, No. 8, 1964, pages 517-523						
	AR2	Bernkop-Schnurch, et al., "Chemically Modified Chitosans as Enzyme Inhibitors", <u>Advanced Drug Delivery Reviews</u> , Vol. 52, 2001, pages 127-137						
	AS2	Yamada, et al., "A Convenient Synthesis of Glycolchitin, a Substrate of Lysozyme", <u>Carbohydrate Research</u> , Vol. 92, 1981, pages 160-162						

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
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	AB3							
	AC3							
	AD3							
	AE3							
	AF3							
	AG3							
	AH3							
	AI3							
	AJ3							
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AK3	WO 94/16743	8/4/94	WIPO				
	AL3	WO 95/09905	4/13/95	WIPO				
	AM3	WO 95/13097	5/18/95	WIPO				
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AN3	Hayashi, et al., "The Enzyme-Substrate Complex of Lysozyme with Chitin Derivatives", <u>The Journal of Biochemistry</u> , Vol. 65, No. 3, 1969, pages 401-405						
	AO3	Kurita, "Chemical Modification of Chitin", <u>Journal of Synthetic Organic Chemistry Japan</u> , Vol. 42, No. 6, 1984, pages 567-574						
	AP3	Senju, et al., "Studies of Chitin Part I On the Glycolation of Chitin and the Chemical Structure of Glycol Chitin", <u>Journal of the Agricultural Chemical Society of Japan</u> , Vol. 23, No. 10, 1950, pages 432-437						
	AQ3	Kumar, "An Internet Chitin and Chitosan Applied Research Resource", <u>Chitin and Chitosna for Versatile Applications Homepage Maintained by M.N.V. Ravi Kumar</u> , 11/22/00; pages 1-11						
	AR3	Rotman, et al., "Effect of a Chitin Derivative in Combination With Cleaning and Preservation Solutions for Contact Lenses on Adherence of Fungi", <u>Mycoses</u> , 2003 Blackwell Publishing Ltd., Vol. 46, pages 90-95						
	AS3	"Chitin", <u>The Merck Index</u> , Twelfth Edition, 1996, page 342						

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA4						
	AB4						
	AC4						
	AD4						
	AE4						
	AF4						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
	AG4	WO 96/03973	2/15/96	WIPO			
	AH4	WO 97/06782	2/17/97	WIPO			
	AI4	WO 98/06438	2/19/98	WIPO			
	AJ4	WO 98/19708	5/14/98	WIPO			
	AK4	WO 99/01498	1/14/99	WIPO			
	AL4	WO 99/32158	7/1/99	WIPO			
	AM4	WO 00/14155	3/16/00	WIPO			
	AN4	WO 00/30609	6/2/00	WIPO			
	AO4	WO 00/60038	10/12/00	WIPO			
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AP4	"Chitin", <u>The Merck Index</u> , Thirteenth Edition, 2001, pages 353-354					
	AQ4	"The Enzyme-substrate Complex in a Muramidase Catalyzed Reaction", <u>The Journal of Biochemistry</u> , Vol. 54, No. 5, (1963), pages 381-387					
	AR4	"Studies on the Structure and Enzymatic Function of Lysozyme", <u>The Journal of Biochemistry</u> , Vol. 48, No. 3, (1960), pages 351-357					
	AS4	"Chitosan as Tear Substitute: A Wetting Agent Endowed with Antimicrobial Efficacy", <u>Journal of Ocular Pharmacology and Therapeutics</u> , Vol. 16, No. 3, (2000), pages 261-270					

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	AA4						
	AB4						
	AC4						
	AD4						
	AE4						
	AF4						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
	AG4						
	AH4						
	AI4						
	AJ4						
	AK4						
	AL4						
	AM4						
	AN4						
	AO4						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AP4	"Topical Use of Chitosan in Ophthalmology: Tolerance Assessment and Evaluation of Precorneal Retention", <u>International Journal of Pharmaceutics</u> , Vo. 180 (1999), pages 185-193					
	AQ4	"Biomaterials in Ophthalmic Drug Delivery", <u>Eur. Journal Pharm. Biopharm</u> , Vol. 42, No. 6, (1996), pages 358-374					
	AR4	"Chitosan: A Unique Polysaccharide for Drug Delivery", <u>Drug Development in Industrial Pharmacy</u> , Vol. 24, No. 11, (1998), pages 979-993					
	AS4						

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